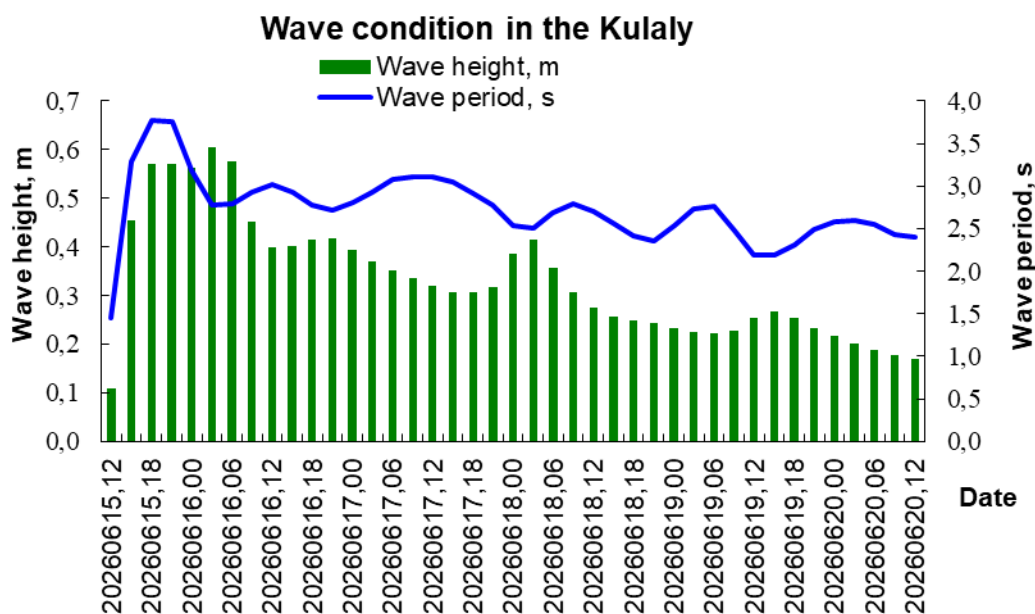
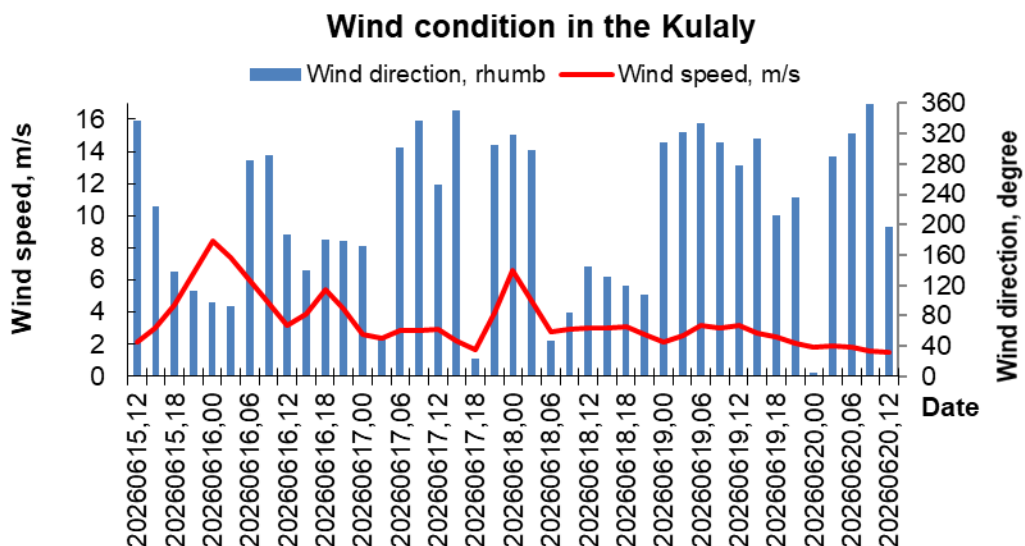




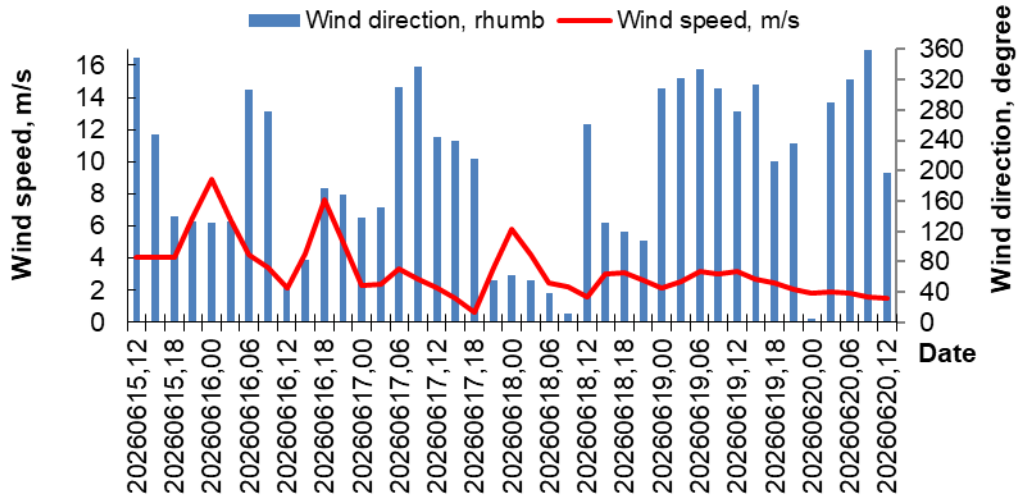
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance
using SWAN spectral model for the period June 15 – 20, 2026 .**

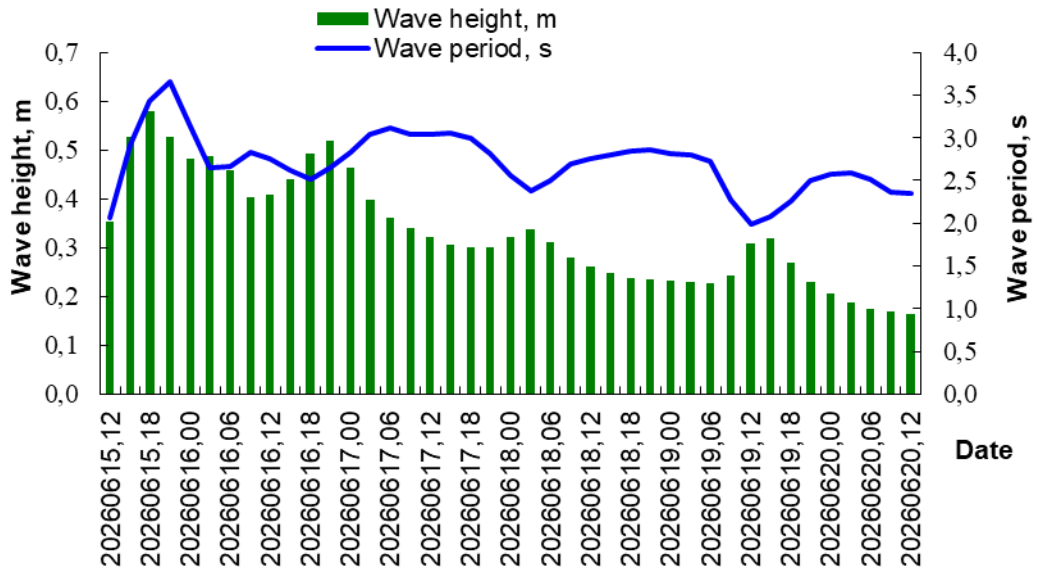


Date time	Kulaly				
	Wave height. m	Wave direction. rhumb	Wave period. s	Wind speed. m/s	Wind direction. rhumb
20260615.12	0.11	S	1.4	2	NW
20260615.15	0.45	S	3.3	3	SW
20260615.18	0.57	S	3.8	4	SE
20260615.21	0.57	S	3.8	6	E
20260616.00	0.56	S	3.2	8	E
20260616.03	0.60	SW	2.8	7	E
20260616.06	0.58	SW	2.8	6	W
20260616.09	0.45	SW	2.9	5	W
20260616.12	0.40	SW	3.0	3	S
20260616.15	0.40	S	2.9	4	SE
20260616.18	0.41	S	2.8	5	S
20260616.21	0.42	S	2.7	4	S
20260617.00	0.39	S	2.8	3	S
20260617.03	0.37	S	2.9	2	NE
20260617.06	0.35	SE	3.1	3	NW
20260617.09	0.34	SE	3.1	3	NW
20260617.12	0.32	SE	3.1	3	W
20260617.15	0.31	SE	3.0	2	N
20260617.18	0.31	S	2.9	2	NE
20260617.21	0.32	W	2.8	4	NW
20260618.00	0.39	SE	2.5	7	NW
20260618.03	0.42	SE	2.5	5	NW
20260618.06	0.36	E	2.7	3	NE
20260618.09	0.31	NE	2.8	3	E
20260618.12	0.28	NE	2.7	3	SE
20260618.15	0.26	NE	2.6	3	SE
20260618.18	0.25	N	2.4	3	SE
20260618.21	0.24	N	2.4	3	E
20260619.00	0.23	NE	2.5	2	NW
20260619.03	0.22	E	2.7	3	NW
20260619.06	0.22	E	2.8	3	NW
20260619.09	0.23	E	2.5	3	NW
20260619.12	0.25	SE	2.2	3	W
20260619.15	0.27	E	2.2	3	NW
20260619.18	0.25	E	2.3	2	SW
20260619.21	0.23	E	2.5	2	SW
20260620.00	0.22	E	2.6	2	N
20260620.03	0.20	E	2.6	2	W
20260620.06	0.19	E	2.6	2	NW
20260620.09	0.18	E	2.4	2	N
20260620.12	0.17	E	2.4	1	S

Wind condition in the Fort-Shevchenko

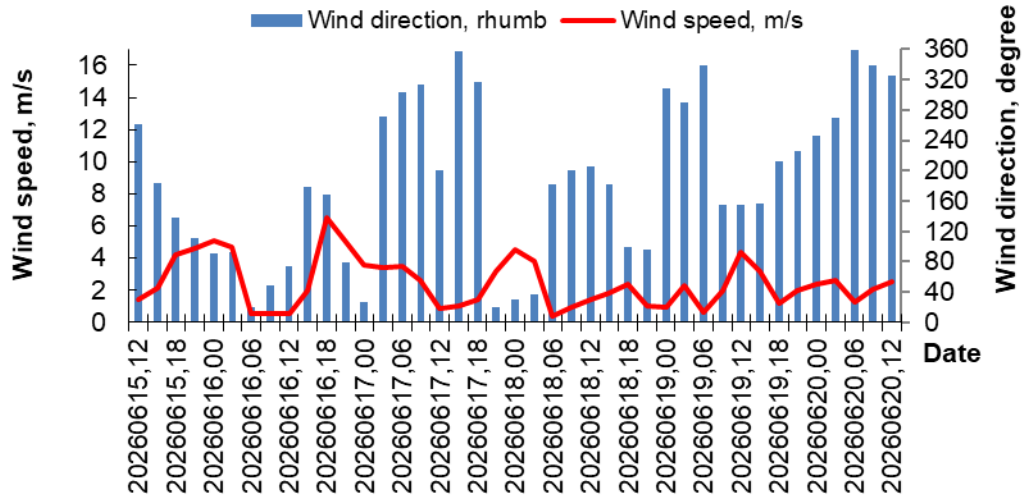


Wave condition in the Fort-Shevchenko

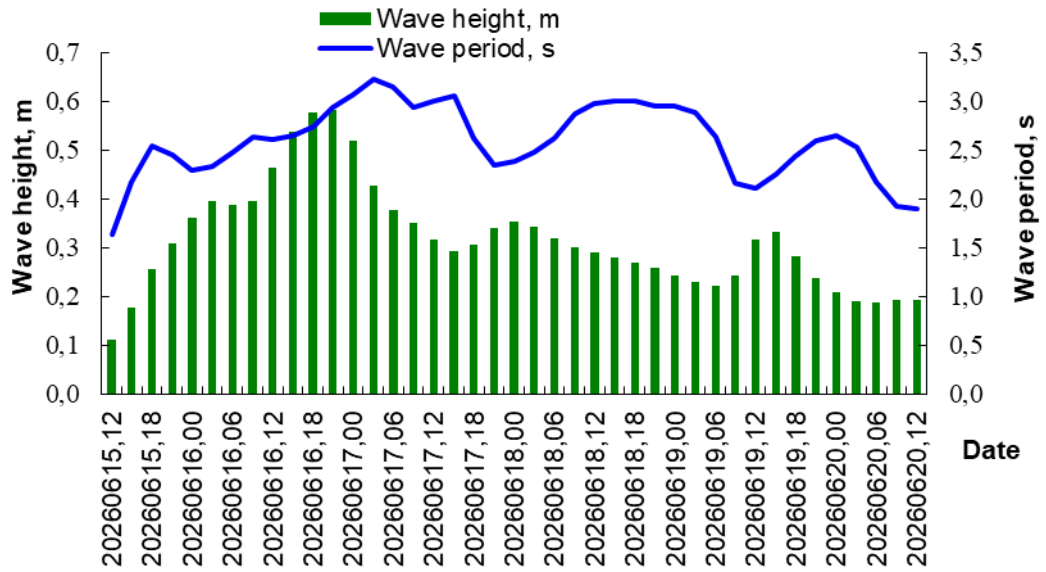


Date time	Fort-Shevchenko				
	Wave height. m	Wave direction. rhumb	Wave period. s	Wind speed. m/s	Wind direction. rhumb
20260615.12	0.35	S	2.1	4	N
20260615.15	0.53	S	2.9	4	W
20260615.18	0.58	S	3.4	4	SE
20260615.21	0.53	S	3.7	6	SE
20260616.00	0.48	S	3.1	9	SE
20260616.03	0.49	SW	2.6	6	SE
20260616.06	0.46	SW	2.7	4	NW
20260616.09	0.40	SW	2.8	3	W
20260616.12	0.41	S	2.8	2	NE
20260616.15	0.44	S	2.6	4	E
20260616.18	0.49	N	2.5	8	S
20260616.21	0.52	N	2.6	5	S
20260617.00	0.46	N	2.8	2	SE
20260617.03	0.40	NE	3.0	2	SE
20260617.06	0.36	E	3.1	3	NW
20260617.09	0.34	E	3.0	3	NW
20260617.12	0.32	SE	3.0	2	SW
20260617.15	0.31	SE	3.1	1	SW
20260617.18	0.30	S	3.0	1	SW
20260617.21	0.30	SW	2.8	3	NE
20260618.00	0.32	N	2.6	6	NE
20260618.03	0.34	NE	2.4	4	NE
20260618.06	0.31	NE	2.5	2	NE
20260618.09	0.28	NE	2.7	2	N
20260618.12	0.26	NE	2.8	2	W
20260618.15	0.25	E	2.8	3	SE
20260618.18	0.24	E	2.8	3	SE
20260618.21	0.23	E	2.9	3	E
20260619.00	0.23	E	2.8	2	NW
20260619.03	0.23	SE	2.8	3	NW
20260619.06	0.23	SE	2.7	3	NW
20260619.09	0.24	E	2.3	3	NW
20260619.12	0.31	NE	2.0	3	W
20260619.15	0.32	NE	2.1	3	NW
20260619.18	0.27	NE	2.3	2	SW
20260619.21	0.23	NE	2.5	2	SW
20260620.00	0.21	NE	2.6	2	N
20260620.03	0.19	NE	2.6	2	W
20260620.06	0.18	NE	2.5	2	NW
20260620.09	0.17	NE	2.4	2	N
20260620.12	0.16	NE	2.4	1	S

Wind condition in the Aktau

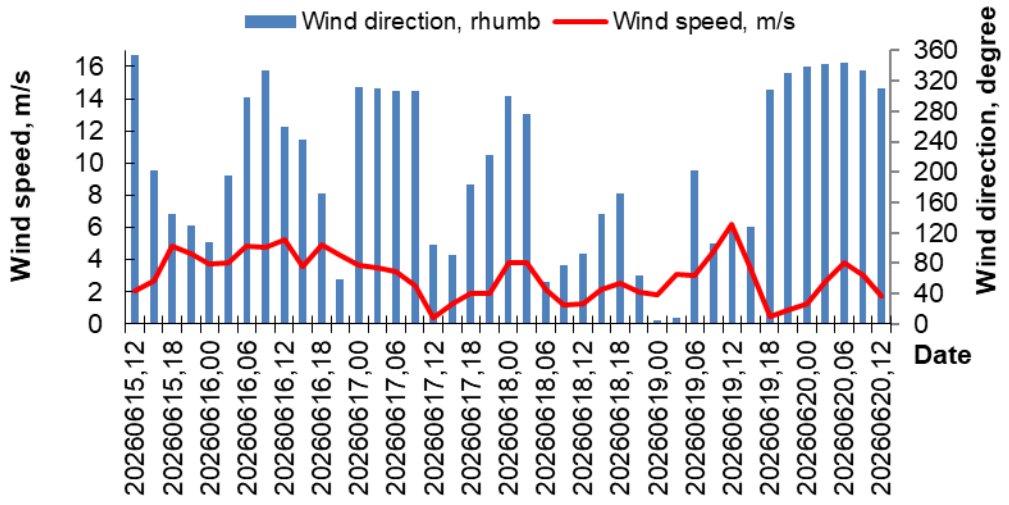


Wave condition in the Aktau

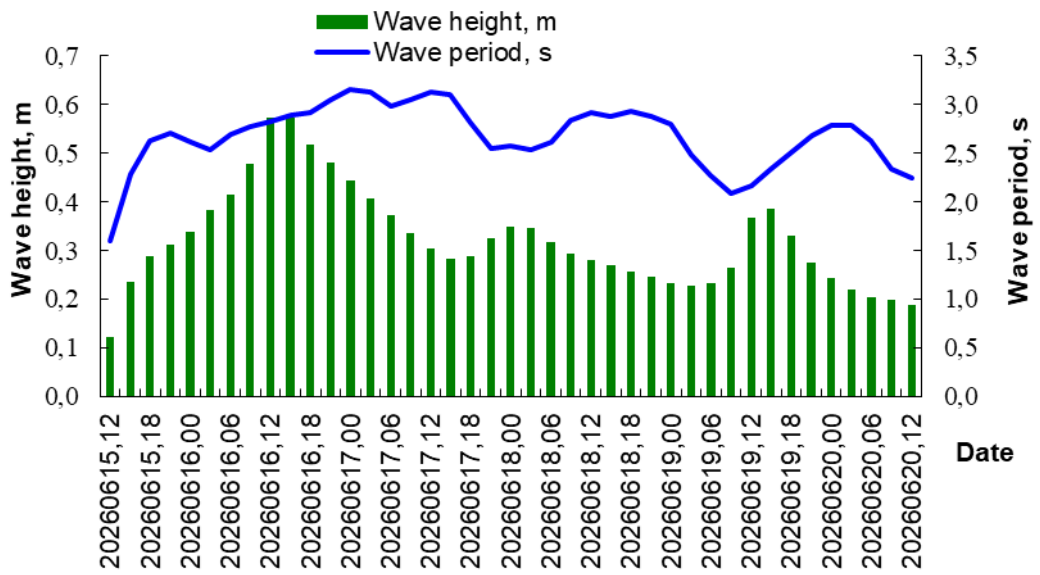


Date time	Aktau				
	Wave height. m	Направление волны. румб	Wave height. m	Скорость ветра. м/с	Wave height. m
20260615.12	0.11	S	1.6	1	W
20260615.15	0.18	S	2.2	2	S
20260615.18	0.25	S	2.5	4	SE
20260615.21	0.31	S	2.5	5	E
20260616.00	0.36	SW	2.3	5	E
20260616.03	0.40	SW	2.3	5	E
20260616.06	0.39	SW	2.5	1	N
20260616.09	0.39	S	2.6	1	NE
20260616.12	0.46	S	2.6	1	E
20260616.15	0.54	S	2.6	2	S
20260616.18	0.58	NW	2.7	7	S
20260616.21	0.58	NW	2.9	5	E
20260617.00	0.52	NW	3.1	4	NE
20260617.03	0.43	NW	3.2	3	W
20260617.06	0.38	NW	3.1	4	NW
20260617.09	0.35	W	2.9	3	NW
20260617.12	0.32	S	3.0	1	S
20260617.15	0.29	SW	3.1	1	N
20260617.18	0.31	S	2.6	1	NW
20260617.21	0.34	SE	2.3	3	N
20260618.00	0.35	E	2.4	5	NE
20260618.03	0.34	E	2.5	4	NE
20260618.06	0.32	E	2.6	0	S
20260618.09	0.30	E	2.9	1	S
20260618.12	0.29	E	3.0	1	SW
20260618.15	0.28	SE	3.0	2	S
20260618.18	0.27	SE	3.0	2	E
20260618.21	0.26	SE	3.0	1	E
20260619.00	0.24	SE	3.0	1	NW
20260619.03	0.23	SE	2.9	2	W
20260619.06	0.22	SE	2.6	1	N
20260619.09	0.24	S	2.2	2	SE
20260619.12	0.32	NW	2.1	4	SE
20260619.15	0.33	NW	2.3	3	SE
20260619.18	0.28	NW	2.4	1	SW
20260619.21	0.24	NW	2.6	2	SW
20260620.00	0.21	NW	2.6	2	SW
20260620.03	0.19	NW	2.5	3	W
20260620.06	0.19	NW	2.2	1	N
20260620.09	0.19	NW	1.9	2	N
20260620.12	0.19	W	1.9	3	NW

Wind condition in the Peschanyi

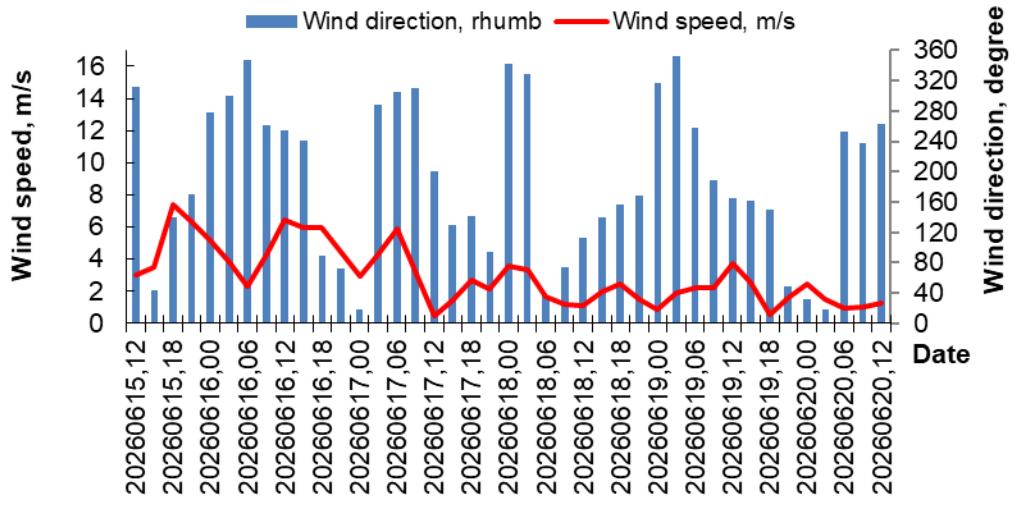


Wave condition in the Peschanyi

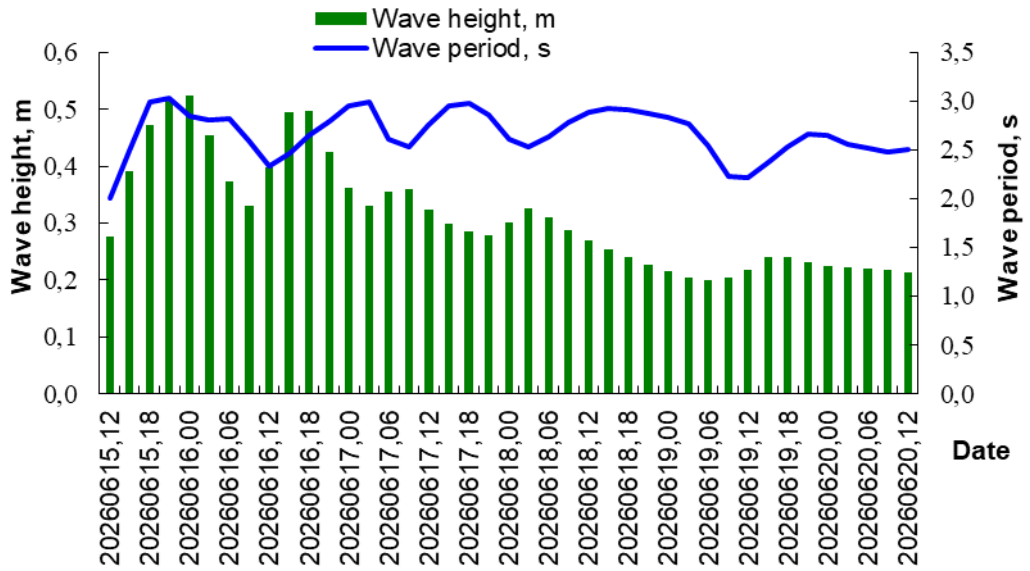


Date time	Peschanyi (Isan)				
	Wave height. m	Wave direction. rhumb	Wave period. s	Wind speed. m/s	Wind direction. rhumb
20260615.12	0.12	S	1.6	2	N
20260615.15	0.23	SE	2.3	3	S
20260615.18	0.29	SE	2.6	5	SE
20260615.21	0.31	S	2.7	4	SE
20260616.00	0.34	S	2.6	4	E
20260616.03	0.38	S	2.5	4	S
20260616.06	0.42	S	2.7	5	NW
20260616.09	0.48	SE	2.8	5	NW
20260616.12	0.57	S	2.8	5	W
20260616.15	0.57	S	2.9	4	SW
20260616.18	0.52	S	2.9	5	S
20260616.21	0.48	SW	3.1	4	NE
20260617.00	0.44	W	3.2	4	NW
20260617.03	0.41	W	3.1	3	NW
20260617.06	0.37	W	3.0	3	NW
20260617.09	0.33	W	3.1	2	NW
20260617.12	0.31	W	3.1	0	E
20260617.15	0.28	W	3.1	1	E
20260617.18	0.29	W	2.8	2	S
20260617.21	0.33	SE	2.6	2	SW
20260618.00	0.35	E	2.6	4	NW
20260618.03	0.35	E	2.5	4	W
20260618.06	0.32	E	2.6	2	NE
20260618.09	0.29	E	2.8	1	E
20260618.12	0.28	E	2.9	1	E
20260618.15	0.27	SE	2.9	2	SE
20260618.18	0.26	SE	2.9	3	S
20260618.21	0.25	SE	2.9	2	NE
20260619.00	0.23	SE	2.8	2	N
20260619.03	0.23	SE	2.5	3	N
20260619.06	0.23	E	2.3	3	SW
20260619.09	0.26	W	2.1	5	E
20260619.12	0.37	W	2.2	6	SE
20260619.15	0.39	NW	2.3	3	SE
20260619.18	0.33	NW	2.5	1	NW
20260619.21	0.28	NW	2.7	1	NW
20260620.00	0.24	NW	2.8	1	N
20260620.03	0.22	NW	2.8	3	N
20260620.06	0.21	NW	2.6	4	N
20260620.09	0.20	NW	2.3	3	NW
20260620.12	0.19	NW	2.2	2	NW

Wind condition in the Fetisovo

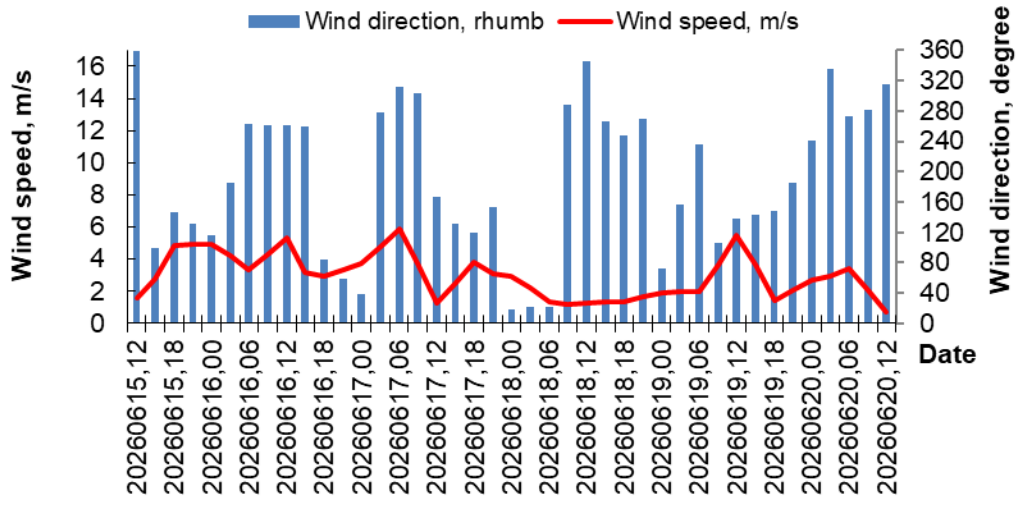


Wave condition in the Fetisovo

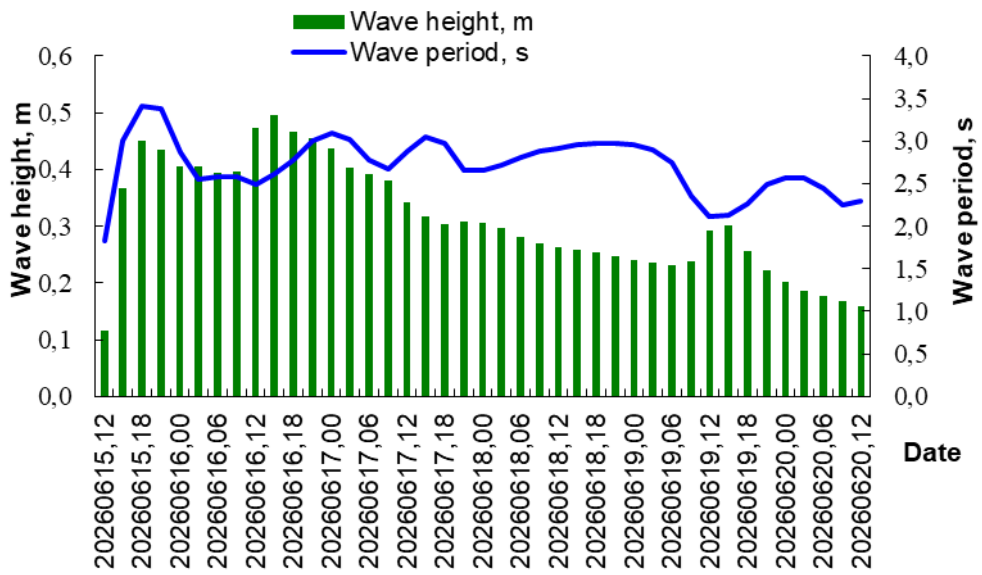


Date time	Fetisovo				
	Wave height. m	Wave direction. rhumb	Wave period. s	Wind speed. m/s	Wind direction. rhumb
20260615.12	0.28	SE	2.0	3	NW
20260615.15	0.39	SE	2.5	4	NE
20260615.18	0.47	S	3.0	7	SE
20260615.21	0.52	S	3.0	6	S
20260616.00	0.52	S	2.8	5	W
20260616.03	0.46	S	2.8	4	NW
20260616.06	0.37	S	2.8	2	N
20260616.09	0.33	S	2.6	4	W
20260616.12	0.40	S	2.3	6	W
20260616.15	0.49	S	2.5	6	SW
20260616.18	0.50	S	2.7	6	E
20260616.21	0.42	SW	2.8	4	E
20260617.00	0.36	SW	2.9	3	N
20260617.03	0.33	W	3.0	4	W
20260617.06	0.36	S	2.6	6	NW
20260617.09	0.36	SE	2.5	3	NW
20260617.12	0.32	NE	2.8	0	S
20260617.15	0.30	N	3.0	1	SE
20260617.18	0.28	N	3.0	3	SE
20260617.21	0.28	NE	2.9	2	E
20260618.00	0.30	E	2.6	4	N
20260618.03	0.33	E	2.5	3	NW
20260618.06	0.31	E	2.6	2	NE
20260618.09	0.29	E	2.8	1	E
20260618.12	0.27	SE	2.9	1	E
20260618.15	0.25	SE	2.9	2	SE
20260618.18	0.24	SE	2.9	2	SE
20260618.21	0.23	E	2.9	2	S
20260619.00	0.22	E	2.8	1	NW
20260619.03	0.20	E	2.8	2	N
20260619.06	0.20	E	2.5	2	W
20260619.09	0.20	E	2.2	2	S
20260619.12	0.22	N	2.2	4	S
20260619.15	0.24	NW	2.4	3	S
20260619.18	0.24	NW	2.5	1	SE
20260619.21	0.23	NW	2.7	2	NE
20260620.00	0.23	NW	2.6	2	NE
20260620.03	0.22	NW	2.6	2	N
20260620.06	0.22	NW	2.5	1	W
20260620.09	0.22	NW	2.5	1	SW
20260620.12	0.21	NW	2.5	1	W

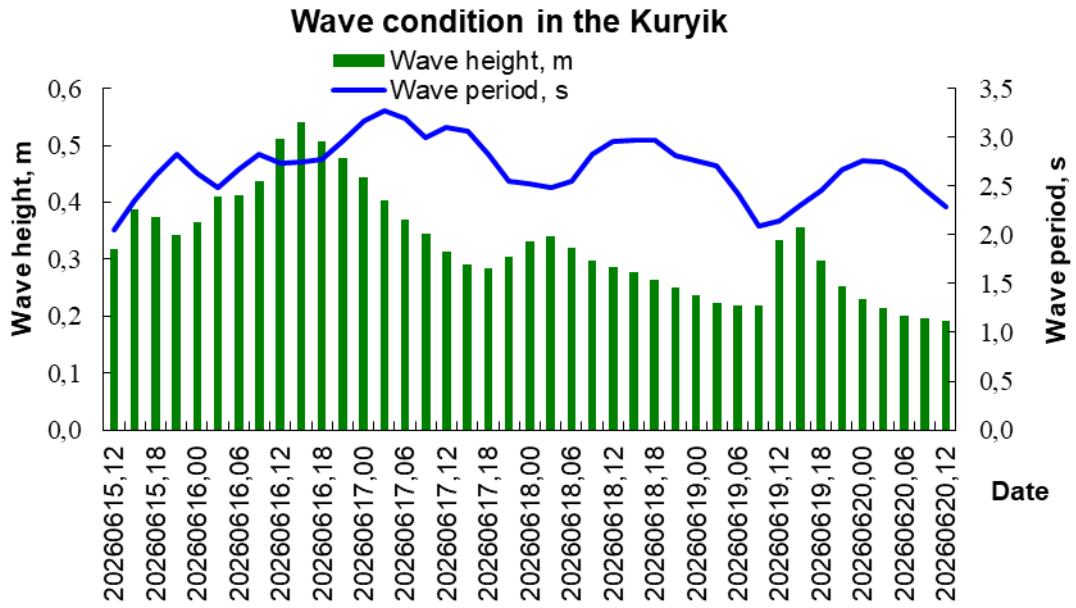
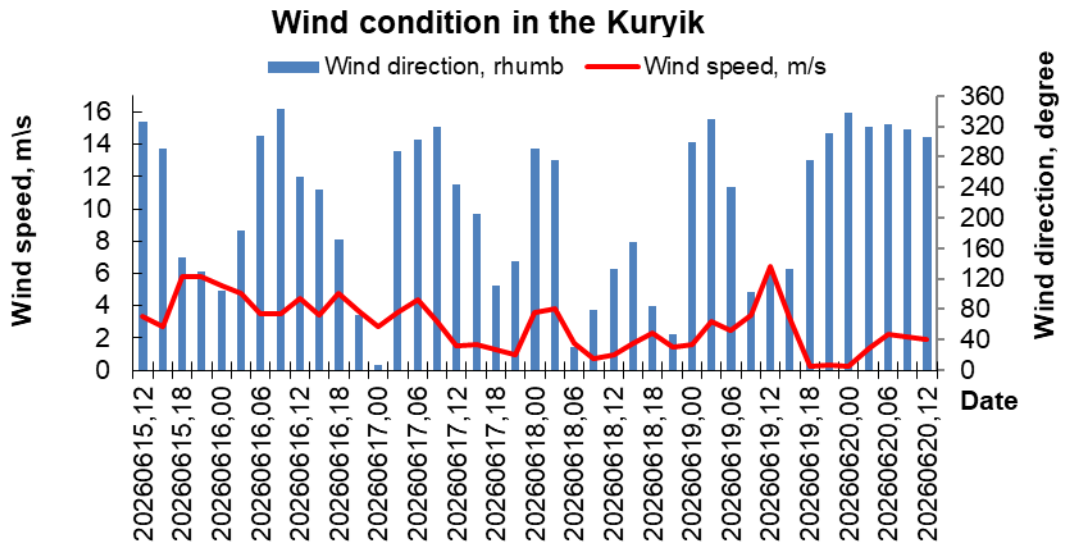
Wind condition in the Saura



Wave condition in the Saura



Date time	Saura				
	Wave height. m	Wave direction. rhumb	Wave period. s	Wind speed. m/s	Wind direction. rhumb
20260615.12	0.12	S	1.8	2	N
20260615.15	0.37	S	3.0	3	E
20260615.18	0.45	S	3.4	5	SE
20260615.21	0.43	S	3.4	5	SE
20260616.00	0.40	S	2.9	5	SE
20260616.03	0.41	SW	2.5	4	S
20260616.06	0.39	SW	2.6	3	W
20260616.09	0.40	SW	2.6	4	W
20260616.12	0.47	S	2.5	5	W
20260616.15	0.50	S	2.6	3	W
20260616.18	0.47	S	2.8	3	E
20260616.21	0.46	SW	3.0	3	NE
20260617.00	0.44	N	3.1	4	NE
20260617.03	0.40	NE	3.0	5	W
20260617.06	0.39	E	2.8	6	NW
20260617.09	0.38	SE	2.7	4	NW
20260617.12	0.34	SE	2.9	1	S
20260617.15	0.32	SE	3.0	3	SE
20260617.18	0.30	S	3.0	4	SE
20260617.21	0.31	SW	2.7	3	SE
20260618.00	0.31	SW	2.7	3	N
20260618.03	0.30	N	2.7	2	N
20260618.06	0.28	N	2.8	1	N
20260618.09	0.27	NE	2.9	1	W
20260618.12	0.26	E	2.9	1	N
20260618.15	0.26	E	3.0	1	W
20260618.18	0.25	E	3.0	1	W
20260618.21	0.25	SE	3.0	2	W
20260619.00	0.24	SE	3.0	2	E
20260619.03	0.24	SE	2.9	2	SE
20260619.06	0.23	SE	2.7	2	SW
20260619.09	0.24	SE	2.4	4	E
20260619.12	0.29	NW	2.1	6	SE
20260619.15	0.30	NW	2.1	4	SE
20260619.18	0.26	NW	2.3	1	SE
20260619.21	0.22	N	2.5	2	S
20260620.00	0.20	N	2.6	3	SW
20260620.03	0.19	N	2.6	3	NW
20260620.06	0.18	N	2.4	3	W
20260620.09	0.17	N	2.3	2	W
20260620.12	0.16	N	2.3	1	NW



Date time	Kuryk				
	Wave height. m	Wave direction. rhumb	Wave period. s	Wind speed. m/s	Wind direction. rhumb
20260615.12	0.32	SE	2.0	3	NW
20260615.15	0.39	SE	2.4	3	W
20260615.18	0.38	SE	2.6	6	SE
20260615.21	0.34	SE	2.8	6	SE
20260616.00	0.37	S	2.6	5	E
20260616.03	0.41	S	2.5	5	S
20260616.06	0.41	S	2.7	3	NW
20260616.09	0.44	SE	2.8	4	N
20260616.12	0.51	S	2.7	4	W
20260616.15	0.54	S	2.7	3	SW
20260616.18	0.51	S	2.8	5	S
20260616.21	0.48	W	3.0	4	E
20260617.00	0.44	W	3.2	3	N
20260617.03	0.40	W	3.3	4	W
20260617.06	0.37	W	3.2	4	NW
20260617.09	0.34	W	3.0	3	NW
20260617.12	0.31	W	3.1	2	SW
20260617.15	0.29	NW	3.1	2	SW
20260617.18	0.28	W	2.8	1	E
20260617.21	0.30	SE	2.6	1	SE
20260618.00	0.33	E	2.5	4	W
20260618.03	0.34	E	2.5	4	W
20260618.06	0.32	E	2.6	2	NE
20260618.09	0.30	E	2.8	1	E
20260618.12	0.29	E	3.0	1	SE
20260618.15	0.28	SE	3.0	2	S
20260618.18	0.26	SE	3.0	2	E
20260618.21	0.25	SE	2.8	1	NE
20260619.00	0.24	SE	2.8	2	NW
20260619.03	0.22	SE	2.7	3	NW
20260619.06	0.22	SE	2.4	3	SW
20260619.09	0.22	SE	2.1	3	E
20260619.12	0.33	W	2.1	6	SE
20260619.15	0.36	NW	2.3	3	SE
20260619.18	0.30	NW	2.5	0	W
20260619.21	0.25	NW	2.7	0	NW
20260620.00	0.23	NW	2.8	0	NW
20260620.03	0.21	NW	2.8	1	NW
20260620.06	0.20	NW	2.7	2	NW
20260620.09	0.19	NW	2.5	2	NW
20260620.12	0.19	NW	2.3	2	NW

**Calculation characteristics were obtained using the SWAN wave model. adapted in RSE «Kazhydromet» to the conditions of the Caspian Sea.*

Compiled by: Bazarbay L.B.

Checked by: Kurmangalieva A.K.

RSE «Kazhydromet» – Caspian Sea Hydrometeorological Research Department

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